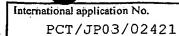


International application No.
PCT/JP03/02421

	SIFICATION OF SUBJECT MATTER .Cl ⁷ H01L29/792				
According	to International Patent Classification (IPC) or to both n	ational classification and IPC			
B. FIELD	DS SEARCHED				
Minimum d	locumentation searched (classification system followed C1 H01L21/8247, 29/792	by classification symbols)			
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Jits	tion scarched other than minimum documentation to the uyo Shinan Koho 1922–1996 i Jitsuyo Shinan Koho 1971–2003	Jitsuyo Shinan Toroku Koh	o 1996-2003		
Electronic	data base consulted during the international search (name	le of data base and, where practicable, sea	rch terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.		
X Y	US 6335554 B1 (KABUSHIKI KAI 01 January, 2002 (01.01.02), Columns 6 to 8; Figs. 1 to 3	SHA TOSHIBA),	1-9,11-13		
	& JP 2001-156188 A Pages 5 to 7; Figs. 1 to 9				
Х	JP 63-204770 A (Oki Electric 24 August, 1988 (24.08.88), All pages (Family: none)	Industry Co., Ltd.),	1-8,11		
х	US 4881108 A (KABUSHIKI KAIS 14 November, 1989 (14.11.89), Full text; Figs. 1 to 6 & JP 63-237580 A Full text; Figs. 1 to 6	· ·	1-9,11-13		
× Furth	er documents are listed in the continuation of Box C.	See patent family annex.	· · · · · · · · · · · · · · · · · · ·		
Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to					
"E" earlier	Full text; Figs. 1 to 6 & JP 63-237580 A Full text; Figs. 1 to 6 Further documents are listed in the continuation of Box C. Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered novel or cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone				
"L" docume	considered to be of particular relevance earlier document but published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other "Y" understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive document of particular relevance; the claimed invention cannot be document of particular relevance; the claimed invention cannot be				
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other		combined with one or more other such	documents, such		
means combination being obvious to a person skilled in the art document published prior to the international filing date but later than the priority date claimed comment member of the same patent family					
Date of the actual completion of the international search 13 May, 2003 (13.05.03) Date of mailing of the international search report 27 May, 2003 (27.05.03)					
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer			
Facsimile No.		Telephone No.			





C (Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant	Relevant to claim No	
х	US 5838041 A (KABUSHIKI KAISHA TOSHIBA), 17 November, 1998 (17.11.98), Full text; Figs. 1 to 17 & JP 9-97849 A Full text; Figs. 1 to 17		1-8,11-13
Y	US 6329247 B1 (NEC CORP.), 11 December, 2001 (11.12.01), Full text; all drawings & JP 2001-44395 A Full text; all drawings	·	10
Y	US 6316317 B1 (NEC CORP.), 13 November, 2001 (13.11.01), Full text; all drawings & JP 2000-269361 A Full text; all drawings		10
P,X	JP 2002-164446 A (Sony Corp.), 07 June, 2002 (07.06.02), Pages 13 to 17; Figs. 1 to 7 (Family: none)		1-13
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